

Manufacturer/Supplier:

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Product name: AF/LE Purified Anti-Mouse CD45R/B220
Monoclonal Antibody

Catalog: DL21360F

Synonyms: B220, CD45, GP180, LCA, T200

Background: CD45R, also known as B220, is an isoform of CD45. It is a member of the protein tyrosine phosphatase (PTP) family with a molecular weight of approximately 180-240 kD. CD45R is expressed on B cells (at all developmental stages from pro-B cells through mature B cells), activated B cells, and subsets of T and NK cells. CD45R (B220) is also expressed on a subset of abnormal T cells involved in the pathogenesis of systemic autoimmunity in MRL-Fas^{lpr} and MRL-Fas^{gld} mice. It plays a critical role in TCR and BCR signaling. The primary

ligands for CD45 are galectin-1, CD2, CD3, and CD4. CD45R is commonly used as a pan-B cell marker; however, CD19 may be more appropriate for B cell specificity.

Form: Liquid

Isotype: Rat IgM

Size: 50µg/500µg/1mg

Host: Rat

Reactivity: Mouse

Application: Cell Sep-Neg,
Depletion, FCM, IHC, IP

Concentration: 0.5 mg/mL

Conjugation: None (Purified
antibody,Azide Free/Low
endotoxin)

SwissProt: P06800,P08575

Buffer: 0.2 µm filtered in PBS, pH 7.2. Azide Free (AF)/Low
Endotoxin (LE): Contains no stabilizers or

Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is $\leq 2.0 \mu\text{g}$ per 10^6 cells in 100 µL volume or 100 µL of

whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Storage:

Keep as concentrated solution.

Store at 2~8°C. Do not freeze.

This product is guaranteed up to one year from purchase.